CLAIMS

1. A cleaning member mounting mechanism comprising:

a cleaning member holding part, to which a cleaning member assembly having a cleaning member for cleaning a substrate can be mounted;

a member rotation part for rotating the cleaning member assembly held by the cleaning member holding part; and

a moving part which moves the cleaning member holding part along an axial direction when the cleaning member assembly is removed, thereby to bring the cleaning member holding part into a rotation fixed position to restrict a rotation of the cleaning member holding part, wherein

the cleaning member holding part has a peripheral edge protruding part which protrudes peripherally outward,

the rotation of the cleaning member holding part is restricted by the peripheral edge protruding part coming into surface contact with an inner surface of a housing part housing at least a part of the cleaning member holding part and being pressed against the inner surface of the housing part, and

the peripheral edge protruding part has one or more grooves.

2. A cleaning member mounting mechanism comprising:

a cleaning member holding part, to which a cleaning

member assembly having a cleaning member for cleaning a substrate can be mounted;

a member rotation part for rotating the cleaning member assembly held by the cleaning member holding part; and

a moving part which moves the cleaning member holding part along an axial direction when the cleaning member assembly is removed, thereby to bring the cleaning member holding part into a rotation fixed position to restrict a rotation of the cleaning member holding part, wherein

the cleaning member holding part has a peripheral edge protruding part which protrudes peripherally outward,

the rotation of the cleaning member holding part is restricted by the peripheral edge protruding part coming into surface contact with an inner surface of a housing part housing at least a part of the cleaning member holding part and being pressed against the inner surface of the housing part, and

in a vertical cross section, the peripheral edge protruding part is thicker on a cleaning member side than on a side opposite to the cleaning member.

3. A cleaning member mounting mechanism comprising:

a cleaning member holding part, to which a cleaning member assembly having a cleaning member for cleaning a substrate can be mounted;

a member rotation part for rotating the cleaning

member assembly held by the cleaning member holding part; and

a moving part which moves the cleaning member holding part along an axial direction when the cleaning member assembly is removed, thereby to bring the cleaning member holding part into a rotation fixed position to restrict a rotation of the cleaning member holding part, wherein

the cleaning member holding part has a first protruding part protruding peripherally outward, and a housing part housing at least a part of the cleaning member holding part has a first concave part housing the first protruding part on an inner surface, or

a housing part housing at least a part of the cleaning member holding part has a second protruding part on an inner surface, and the cleaning member holding part has a second concave part which houses the second protruding part.

4. The cleaning member mounting mechanism according to claim 3, wherein

a plurality of first concave parts are provided when the first protruding part is provided, or a plurality of second concave parts are provided when the second protruding part is provided.

5. The cleaning member mounting mechanism according to any one of claims 1 to 4, wherein

the moving part is an elastic member.

6. The cleaning member mounting mechanism according to any one of claims 1 to 5, wherein

the cleaning member holding part has a second cleaning member holding part provided on a member rotation part side and rotated by the member rotation part, and a first cleaning member holding part rotated passively, and

the moving part is provided in the first cleaning member holding part.

7. The cleaning member mounting mechanism according to claim 3 or 4, wherein

the cleaning member holding part has a peripheral edge protruding part which protrudes peripherally outward, and

the rotation of the cleaning member holding part is restricted by the peripheral edge protruding part coming into surface contact with an inner surface of a housing part housing at least a part of the cleaning member holding part and being pressed against the inner surface of the housing part.

8. The cleaning member mounting mechanism according to claim 7, wherein

the peripheral edge protruding part has one or more grooves.

9. The cleaning member mounting mechanism according to any one of claims 1, 7 and 8, wherein

in a vertical cross section, the peripheral edge protruding part is thicker on a cleaning member side than on a side opposite to the cleaning member.

10. The cleaning member mounting mechanism according to claim 1 or 2, wherein

the cleaning member holding part has a first protruding part protruding peripherally outward, and a housing part housing at least a part of the cleaning member holding part has a first concave part housing the first protruding part on an inner surface, or

a housing part housing at least a part of the cleaning member holding part has a second protruding part on an inner surface, and the cleaning member holding part has a second concave part which houses the second protruding part.

11. The cleaning member mounting mechanism according to claim 10, wherein

a plurality of first concave parts are provided when the first protruding part is provided, or a plurality of second concave parts are provided when the second protruding part is provided.

12. A substrate cleaning apparatus comprising:

a substrate support part for supporting a substrate;

a cleaning member holding part, to which a cleaning member assembly having a cleaning member for cleaning the substrate can be mounted;

a member rotation part for rotating the cleaning member assembly held by the cleaning member holding part; and

a moving part which moves the cleaning member holding part along an axial direction when the cleaning member assembly is removed, thereby to bring the cleaning member holding part into a rotation fixed position to restrict a rotation of the cleaning member holding part, wherein

the cleaning member holding part has a peripheral edge protruding part which protrudes peripherally outward,

the rotation of the cleaning member holding part is restricted by the peripheral edge protruding part coming into surface contact with an inner surface of a housing part housing at least a part of the cleaning member holding part and being pressed against the inner surface of the housing part, and

the peripheral edge protruding part has one or more grooves.

13. A substrate cleaning apparatus comprising:

a substrate support part for supporting a substrate;

a cleaning member holding part, to which a cleaning

member assembly having a cleaning member for cleaning the substrate can be mounted;

a member rotation part for rotating the cleaning member assembly held by the cleaning member holding part; and

a moving part which moves the cleaning member holding part along an axial direction when the cleaning member assembly is removed, thereby to bring the cleaning member holding part into a rotation fixed position to restrict a rotation of the cleaning member holding part, wherein

the cleaning member holding part has a peripheral edge protruding part which protrudes peripherally outward,

the rotation of the cleaning member holding part is restricted by the peripheral edge protruding part coming into surface contact with an inner surface of a housing part housing at least a part of the cleaning member holding part and being pressed against the inner surface of the housing part, and

in a vertical cross section, the peripheral edge protruding part is thicker on a cleaning member side than on a side opposite to the cleaning member.

14. A substrate cleaning apparatus comprising:

a substrate support part for supporting a substrate;

a cleaning member holding part, to which a cleaning member assembly having a cleaning member for cleaning the substrate can be mounted;

a member rotation part for rotating the cleaning member assembly held by the cleaning member holding part; and

a moving part which moves the cleaning member holding part along an axial direction when the cleaning member assembly is removed, thereby to bring the cleaning member holding part into a rotation fixed position to restrict a rotation of the cleaning member holding part, wherein

the cleaning member holding part has a first protruding part protruding peripherally outward, and a housing part housing at least a part of the cleaning member holding part has a first concave part housing the first protruding part on an inner surface, or

a housing part housing at least a part of the cleaning member holding part has a second protruding part on an inner surface, and the cleaning member holding part has a second concave part which houses the second protruding part.